

L2 4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1981:520887 CAPLUS

DN 95:120887

TI Asymmetric polyvinylidene fluoride (PVDF) radiation grafted membranes:
preparation and performance in reverse osmosis application

AU Vigo, Fernando; Capannelli, Gustavo; Uliana, Claudio; Munari, Stelio

CS Inst. Ind. Chem., Univ. Genoa, Genoa, Italy

SO Desalination (1981), 36(1), 63-73

CODEN: DSLNAH; ISSN: 0011-9164

DT Journal

LA English

CC 61-4 (Water)

AB Membranes were prepd. starting from asym. poly(vinylidene fluoride) films,
obtained by the casting and gelation technique and modified by radiochem.
grafting with styrene and sulfonation. These membranes were tested in a
reverse-osmosis lab, and their performances were detd. as a function of
the prepn. parameters. The influences of evapn. time, grafting, temp.,
and solvents were investigated. These membranes exhibit permeabilities
.ltoreq.2000 L/m2-day and NaCl rejections of .ltoreq.70%.

ST polyvinylidene fluoride membrane reverse osmosis; radiation grafted
membrane reverse osmosis

IT Water purification

(reverse osmosis, sulfonated styrene-grafted poly(vinylidene fluoride)
membranes for)

IT Membranes and Diaphragms

(reverse-osmosis, sulfonated styrene-grafted poly(vinylidene fluoride),
for water purifn.)

IT 31566-66-2D, sulfonated

RL: OCCU (Occurrence)

(graft, reverse osmosis membranes, for water purifn.)

=>